

MATERIAL SAFETY DATA SHEET

May 27, 2004

Attn: Safety Director

Conforms to requirements with the Federal OSHA Hazard Communications Standard 29 CFR 1910.1200

SECTION I – PRODUCT IDENTIFICATION

Product Name: PolySeal 3
 General or Generic ID: Vinyl Ester Adhesive
 Vendor Name and Address: Beetle Plastics, Inc.
 Ardmore Industrial Airpark
 Ardmore, OK 73401
 Emergency Phone Number: (405) 389-5421

SECTION II – HAZARDOUS COMPONENTS

CAS Number: 100-42-5
 Description: Styrene
 % by Weight: 41
 PEL/TLV: 50 ppm/50 ppm (Short term exposure limit)
 STEL: 100 ppm (15-minute ceiling, 8-hour TUA)
 (NIOSH recommends a limit of 50 ppm)

CAS Number: 94-36-0
 Description: Benzyl Peroxide
 % by Weight: 35
 PEL/TLV: 5 ppm/5 ppm

CAS Number: 10101-41-4
 Description: Calcium Sulfate Dehydrate
 % By Weight: 65
 PEL/TLV: 15 ppm/15 pip

Description: Fibrous Glass
 Composition: Oxides of Silicone Aluminum, Calcium
 Boron and Magnesium fused in an
 Amorphous Vitreous state.

PEL/TLV: Not established
 Recommended Limits: 10 mg/m³
 Respirable Nuisance Dust: 5 mg/m³

SECTION III – PHYSICAL DATA

Physical State: Black with a slight odor
 Boiling Point: 41% @ 68° F
 Vapor Pressure: 4.50 mm Hg @ 68° F
 Vapor Density: 3.6 (Air = 1)
 Water Solubility: Insoluble
 Evaporation Rate: N/A (Butyl Acetate = 1)

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: 73 - 100° F (22.8 – 37.8 ° C) TCC
 LEL: 1.1%
 UEL: 6.1%
 Extinguishing Media: Carbon dioxide, foam, water fog, dry
 chemical
 Fire Fighting Procedures: Wear self-contained breathing apparatus
 with full-face piece operated in the positive
 pressure demand mode when fighting fire.
 Unusual Fire/Explosion Hazards: Never use welding or cutting torch on or
 near container because product can ignite.
 0.25 g/kg (Rabbit) Toxic / Corrosive,
 Extremely Irritating
 Hazardous Polymerization: May occur

SECTION V – REACTIVITY DATA

Stability: Unstable
 Conditions to Avoid: Thermal decomposition, contamination
 Incompatibility: Reducing agents, accelerators. Avoid
 contact with strong mineral acids or strong
 alkalides.
 Hazardous Decomposition Products: On decomposition, peroxide can produce
 flammable and toxic vapors.
 Hazardous Polymerization: May occur.

SECTION VI – HEALTH HAZARD DATA

Eyes:	Contact may cause eye irritation and/or damage.
Skin:	Prolonged skin contact may cause skin irritation and redness.
Inhalation:	May cause irritation of the nose, throat and lungs
Ingestion:	May cause toxic effects
Chronic Effects:	None known

FIRST AID

Eyes:	Flush with large amounts of water, lifting upper and lower lids occasionally. Seek medical attention immediately.
Skin:	Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder before reuse.
Inhalation:	Remove victim to fresh air. If breathing breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration and seek medical attention immediately.
Ingestion:	DO NOT induce vomiting. Keep person warm and quiet. Seek medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which is fatal.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case of release or spill of material:	Avoid skin contact. Flush with water. Sweep or scoop out the material and remove from the area. Wet with water and remove with non-sparking tools. Wash down the spill area.
Waste Disposal Method:	Thoroughly rinse empty containers.
Precautions:	Do not store near combustibles. Keep away from all sources of heat or ignition such as radiators, steam pipes and direct sunlight.

Other Precautions:

Containers of this material may be hazardous when emptied. Emptied containers retain product residues (e.g. vapor, liquid and/or solid). All precautions given in this data sheet must be observed.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Filter for dust. Spray mist for fumes.
Ventilation:	Local exhaust sufficient to prevent accumulation of vapors or particles. Sufficient mechanical ventilation provided to maintain exposure below TLV(s).
Protective Gloves:	Neoprene or nitrile rubber.
Eye Protection:	Goggles or protective glasses must be worn.
Protective Clothing:	Normal work clothing covering arms and legs.
Work/Hygienic Procedure:	Wash thoroughly after handling.

DISCLAIMER

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This MSDS was prepared on 5/27/04 by J. Guthrie, Manager, Material Safety.